

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: GEN-002

APPLICANT(S): Chandra et al.

SERIAL NO.: 10/717,224

FILING DATE: November 19, 2003 GROUP: 2121

EXAM. INIT.		DOCUMENT NUMBER	NAME		CLASS	SUB CLASS	ŀ	NG DATE IF ROPRIATE		
031	Al	4,935,877	06/19/1990	Koza			364	513		
	A2	5,136,686	08/04/1992	Koza	•		395	13		
	A3	5,148,513	09/15/1992	Koza et al.			395	13		
	A4	5,343,554	08/30/1994	Koza et al.			395	13		
	A5	5,390,282	02/14/1995	Koza et al			395	13		
	A6	5,742,738	04/21/1998	Koza et al.			395	13		
	A7	5,867,397	02/02/1999	Koza et al.		-	364	489		•
	A8	6,058,385	05/02/2000	Koza et al.			706	13		
$\top$	A9	6,360,191	03/19/2002	Koza et al.		6				
	A10	6,424,959	07/23/2002	Bennett, III	ennett, III et al. 706					
	All	6,532,453	03/11/2003				706	13		
	A12	6,564,194	05/13/2003				706	13		
	A13	6,594,587	06/15/2003	Askenazi	Askenazi			19		
	A14	6,665,669	12/16/2003	Han et al.	Han et al.		707	6		
	A15	2001/0016822	08/23/2001	Bessette	Bessette			3		
	A16	2001/0047353	11/29/2001	Talib et al.			707	3		
	A17	2002/0002559	01/03/2002	Busa			707	104.1		
	A18	2002/0049782	04/25/2002	Herzenberg	, et al.		707	500.1		
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		OTHER ART, JOUR	NAL ARTICLES, ETC.						
EXAM. INIT.	ОТН	ER DOCUMENTS: (Including Author, T	itle, Date, Relevant Pages, Place of Publication)						
18	CI		puting, "Workshop on Genetic Algorithms in Bioinformatics," info/genetic/genidx.asp, pp. 1-6 (printed October 22, 2002).						
	C2	Jansen, Ronald, "A Bayesian Networks App Data," Science, vol. 302, pp. 449-453 (Oc	proach for Predicting Protein-Protein Interactiojns from Genomic tober 17, 2003).						
	C3	Karp, Peter D., "The EcoCyc Database," p	pp. 1-6 (January 25, 2002).						
	C4	Karp, Peter D., "Integrated Access to Meta	abolic and Genomic Data," pp. 1-32 (April 1, 1996).						
	C5	Karp, Peter D., "The MetaCyc Database,"	pp. 1-7 (January 25, 2002).						
	C6	Karp, Peter D., "Pathway Databases: A Co 293, pp. 2040-44 (September 14, 2001).	ase Study in Computational Symbolic Theories," Science, vol.						
	C7	Karp, Peter D., "The Pathway Tools Softwa	are, "Bioinformatics, vol. 18 Suppl. 1 2002, pp. S1-S8 (2002).						
	C8	Koza, John R., "Reverse Engineering and Using Genetic Programming," pp. 1-53 (2)	Automatic Synthesis of Metabolic Pathways From Observed Data 000).						
	C9	Koza, John R., "Reverse Engineering and Using Genetic Programming," Symposium pp. 1-63 (March 25, 2001)	Automatic Synthesis of Metabolic Pathways From Observed Data n on Computational Discovery of Communicatable Knowledge,						
	C10	Koza, John R., "Reverse Engineering and Using Genetic Programming," Biomedical	Automatic Synthesis of Metabolic Pathways From Observed Data I Informatics, pp. 1-12.						
	CH	Rindfleisch, Thomas C., "Extracting Mole	cular Binding Relationships from Biomedical Text," pp. 188-95.						
	C12	Stevens, Robert "Building a Reason-able I Science, University of Manchester, pp. 1-1	Bioinformatics Ontology Using OIL, " Department of Computer 1.						
	C13	C13 Yen, John, "A Hybrid Approach to Modeling Metabolic Systems Using Genetic Algorithm and Siomplex Method," pp. 1-42.							
	C14	Yen, John, "Using Fuzzy Logic and a Hyb	rid Genetic Algorithm for Metabolic Modeling," pp.1-6.						
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ATTORNEY DOCKET NO.: GEN-002 SUPPLEMENTAL INFORMATION APPLICANT(S): Chandra et al. DISCLOSURE STATEMENT SERIAL NO.: 10/717,224 November 19, 2003 FILING DATE: **GROUP NO.: U.S. PATENT DOCUMENTS** DOCUMENT SUB FILING DATE IF EXAM. APPROPRIATE DATE NAME **CLASS CLASS** INIT. NUMBER FOREIGN PATENT DOCUMENTS ENGLISH ABSTRACT EXAM. DOCUMENT COUNTRY SUB FILING LANG DATE ONLY CODE CLASS **CLASS** (Y/N) INIT. NUMBER DATE ΒI EP 1248231 10/09/02 EP 12/26/00 No Yes OTHER ART, JOURNAL ARTICLES, ETC. EXAM. INIT. OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) International Search Report for PCT/US03/36857, mailed March 9, 2005. MS. Goldberg, David E., "Genetic and Evolutionary Algorithms Come of Age," Communications of the C16 ACM, Vol. 37, No. 3, March 1994, pp. 113-119. DATE CONSIDERED 7/7/07 **EXAMINER** 



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	В3	WO 03/067504 A2	08/14/2003	wo					02/03/	/2003	N	Y	
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	C18	Interactions - A N	<u>I</u> , Colc	d Spring H	arbor L	abor	atory P			otein-Protein			
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THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.:

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APPLICANT(S):

Chandra et al.

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081	A19	2003/0074516	04/17/2003	Cho et al.							
	A20 6,741,986 05/25/2004 Cho e		Cho et al								
	A21	6,772,160	08/03/2004	Cho et al.		İ					
-	A22	5,914,891	06/22/1999	McAdam	s et al.		·····				
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SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: GEN-002

APPLICANT(S): Chandra et al.

SERIAL NO.: 10/717,224

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051	A23	2002/0123847	09/05/02	Askenazi,	Manor		702	20	12/2	0/00
1	A24	2002/0198858	12/26/02	Stanley et a	al.		706	50	12/0	6/01
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021	C19	International Se	earch Report f	or PCT/US20	03/030653,	mailed Fe	bruary 3, 2	2004.		
	C20	International Pr	eliminary Rep	ort on Patenta	bility for Po	CT/US200	4/039159 d	ated 29 Ma	ay 2006	
	C21	Written Opinio	n of the Intern	ational Search	ing Authori	ty for PCT	/US2004/0	39159 date	d 29 M	ay 2006
	C22	International Search Report for International Application No. PCT/US/2005/00202 mailed from the International Searching Authority on November 24, 2005.								
	C23	Written Opinio PCT/US/2005	on of the Into 00202 mail	ernational Sec ed from the Ir	arching Au aternation	ithority fo al Searchi	or Internating Author	ional App ity on No	licatio vembe	n No. r 24, 2005.
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SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE **STATEMENT** 

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081	C24 International Search Report for International Application No. PCT/US/2004/039159 mailed from the International Searching Authority on August 31, 2005.										
	C25 Written Opinion of the International Searching Authority for International Application No. PCT/US/2004/039159 mailed from the International Searching Authority on August 31, 2005.										
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